

RECEIVED 31 JAN 2003

10/521211

INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 03/02889

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02B6/25

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.     |
|------------|--|---------------------------|
| X          | US 4 976 390 A (GEE ARNOLD E ET AL)<br>11 December 1990 (1990-12-11)<br><br>column 1, line 39 - column 4, line 2;<br>figures 2,4 | 1,3-7,<br>14,16,<br>19,21 |
| X          | US 4 893 892 A (ZIEMEK GERHARD ET AL)<br>16 January 1990 (1990-01-16)<br>column 1, line 50 - column 3, line 46;<br>figures 1-6   | 1,3,7,<br>17,18,20        |
| X          | US 4 229 876 A (DOTY JOHN S)<br>28 October 1980 (1980-10-28)<br>column 2, line 38 - column 3, line 30;<br>figures 4,11           | 1-7,16,<br>17,19,21       |

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

3 September 2003

Date of mailing of the international search report

09. 12. 2003

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | US 4 621 754 A (LONG ERIC L ET AL)<br>11 November 1986 (1986-11-11)<br>column 2, line 25 - line 41; figures<br>12,13,14A<br>column 4, line 4 - line 9<br>column 13, line 11 - line 41<br>----- | 1-8,14,<br>16,21      |
| X          | WO 00 41013 A (BELDYCKI WOJCIECH ;VALDOR<br>FIBER OPTICS INC (US))<br>13 July 2000 (2000-07-13)<br>page 2, line 14 - page 3, line 17; figure<br>16<br>page 15 - page 16<br>-----               | 1-7,16,<br>19-21      |

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB 03/02889

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 27  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
Claim 27 not allowed according to Rule 6.2a PCT.  
Claim merely refers to the description and drawings included in the application
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-8, 14-22, 28

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8,14-22,28

Device for cleaving an optical fibers with various fixing, cleaving and clamping mechanisms

1.1. claims: 1-3,8,16

The fixing element and mechanism

1.2. claims: 4,28

A portable handheld tool

1.3. claims: 14,15

An aperture for removing seperated end portions of the cleaved optical fibers

1.4. claims: 17,18

A clamping mechanism including the use of tape to grip the fibers

1.5. claims: 5-7,19-22

The cleaving mechanism  
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2. claims: 9-13

Concerns cleaved end-faces being non-perpendicular to the fiber direction  
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3. claim: 23

Concerns the addition of a counting device  
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4. claims: 29-39

Concerns the addition of an external connector holder to the device  
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5. claims: 24-26

Cleaving a plurality of optical fibers simultaneously  
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